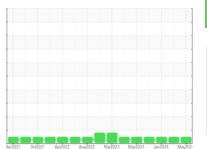


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 429063-402427

Diesel Engine

PETRO CANADA DURON GEO LD 15W40 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

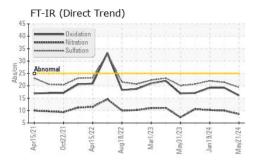
Fluid Condition

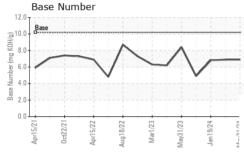
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

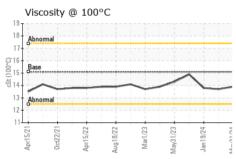
(LIK) Apido21 Octo21 Apido22 Apido22 Majdo23 Majdo23 Jando24 Majdo2							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0095982	GFL0096008	GFL0095998	
Sample Date		Client Info		21 May 2024	08 Feb 2024	19 Jan 2024	
Machine Age	hrs	Client Info		14799	14138	14007	
Oil Age	hrs	Client Info		600	600	600	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>110	6	0	7	
Chromium	ppm	ASTM D5185m	>4	<1	0	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	0	
Titanium	ppm	ASTM D5185m		<1	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>25	2	<1	1	
Lead	ppm	ASTM D5185m	>45	<1	2	3	
Copper	ppm	ASTM D5185m	>85	1	1	3	
Tin	ppm	ASTM D5185m	>4	<1	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	28	26	22	
Barium	ppm	ASTM D5185m	5	<1	0	0	
Molybdenum	ppm	ASTM D5185m	50	47	47	52	
Manganese	ppm	ASTM D5185m	0	<1	1	<1	
Magnesium	ppm	ASTM D5185m	560	502	509	597	
Calcium	ppm	ASTM D5185m	1510	1464	1381	1631	
Phosphorus	ppm	ASTM D5185m	780	887	714	832	
Zinc	ppm	ASTM D5185m	870	1007	878	1029	
Sulfur	ppm	ASTM D5185m	2040	2967	2218	2555	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	5	<1	4	
Sodium	ppm	ASTM D5185m		3	5	7	
Potassium	ppm	ASTM D5185m	>20	3	<1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.6	10.0	10.2	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	21.4	22.0	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	19.2	19.2	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.9	6.9	6.8	
	0						



OIL ANALYSIS REPORT



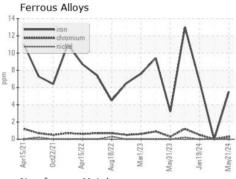


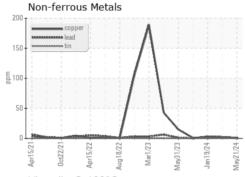


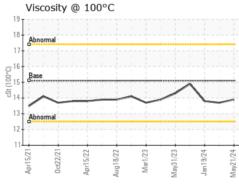
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

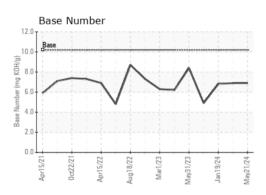
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	13.9	13.7	13.8

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0095982 Lab Number : 06187407 Unique Number : 11044159

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 May 2024

Tested : 31 May 2024 Diagnosed : 31 May 2024 - Wes Davis

GFL Environmental - 883 - Orange City 1378 South Volusia Ave

Orange City, FL US 32763

T: (386)503-8468

Contact: JEFF COOPERSMITH JCOOPERSMITH@GFLENV.COM

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)